

APPENDIX C

Cost Estimate Summary

Dinkey Creek Reservoir

| Upper San Joaquin River Basin Storage Investigation | |
|---|----------------------------|
| Cost Estimate | |
| Dinkey Creek Dam and Reservoir | |
| Hydropower Option 340' Rock Fill Dam (max gross pool el. 5686) diversion dam, ~4 mi. tunnels, 2 power plants | |
| FIRST COST ITEMS | Cost (2002 dollars) |
| DAMS Diversion Dam | \$ 1,500,000 |
| Diversion Works/Tunnel | \$ - |
| Main Dam | \$ 68,425,000 |
| Spillway | \$ 2,250,000 |
| Outlet Works | \$ - |
| SUBTOTAL | \$ 72,175,000 |
| CONVEYANCE FACILITIES | |
| Power intake, tunnels & penstocks | \$ 155,475,000 |
| Diversion Tunnel | \$ - |
| Tunnel | \$ - |
| Canals/Pipelines | \$ - |
| Pumping Stations | \$ - |
| Regulating Reservoirs | \$ - |
| SUBTOTAL | \$ 155,475,000 |
| PERMANENT OPERATING EQUIPMENT | |
| Powerplants, generators & turbines | \$ 11,500,000 |
| Transmission Lines, switchyards, & substns. | \$ 4,150,000 |
| SUBTOTAL | \$ 15,650,000 |
| | |
| TOTAL, LISTED ITEMS (rounded) | \$ 243,300,000 |
| UNLISTED ITEMS (15%; rounded) | \$ 36,500,000 |
| TOTAL, CONSTRUCTION ITEMS (rounded) | \$ 280,000,000 |
| CONTINGENCIES ON CONSTRUCTION (25%; rounded) | \$ 70,000,000 |
| TOTAL, CONSTRUCTION COST | \$ 350,000,000 |
| MITIGATION (5%; rounded) | \$ 18,000,000 |
| TOTAL FIELD COSTS | \$ 368,000,000 |
| INVESTIGATION, DESIGN, & CONSTRUCTION MNGMT (15%; rounded) | \$ 55,000,000 |
| TOTAL PROJECT FIRST COST | \$ 423,000,000 |

| Upper San Joaquin River Basin Storage Investigation | |
|--|----------------------------|
| Cost Estimate | |
| Dinkey Creek Dam and Reservoir | |
| Storage Only Option (No Hydropower) 340' Rock Fill Dam (max gross pool el. 5686) | |
| FIRST COST ITEMS | Cost (2002 dollars) |
| DAMS Diversion Dam | \$ - |
| Diversion Works/Tunnel | \$ - |
| Main Dam | \$ 68,425,000 |
| Spillway | \$ 2,250,000 |
| Outlet Works | \$ - |
| SUBTOTAL | \$ 70,675,000 |
| CONVEYANCE FACILITIES | |
| Power intake, tunnels & penstocks | \$ - |
| Diversion Tunnel | \$ - |
| Tunnel | \$ - |
| Canals/Pipelines | \$ - |
| Pumping Stations | \$ - |
| Regulating Reservoirs | \$ - |
| SUBTOTAL | \$ - |
| PERMANENT OPERATING EQUIPMENT | |
| Powerplants, generators & turbines | \$ - |
| Transmission Lines, switchyards, & substns. | \$ - |
| SUBTOTAL | \$ - |
| TOTAL, LISTED ITEMS (rounded) | \$ 70,700,000 |
| UNLISTED ITEMS (15%; rounded) | \$ 10,600,000 |
| TOTAL, CONSTRUCTION ITEMS (rounded) | \$ 81,000,000 |
| CONTINGENCIES ON CONSTRUCTION (25%; rounded) | \$ 20,000,000 |
| TOTAL, CONSTRUCTION COST | \$ 101,000,000 |
| MITIGATION (5%; rounded) | \$ 5,000,000 |
| TOTAL FIELD COSTS | \$ 106,000,000 |
| INVESTIGATION, DESIGN, & CONSTRUCTION MNGMT (15%; rounded) | \$ 16,000,000 |
| TOTAL PROJECT FIRST COST | \$ 122,000,000 |